Amendment dated February 18, 2010 Reply to Office Action of September 28, 2009

## **AMENDMENTS TO THE CLAIMS**

The following listing of claims will replace all prior versions, and listings, of claims in this application.

Claim 1 (Currently Amended): An antenna device comprising:

a substrate;

a conductor film which is disposed on a portion of the substrate;

a feed point disposed on the substrate;

a loading section disposed on the substrate and constructed with a line-shaped conductor pattern which is formed in a longitudinal direction on a of an elementary body made of a dielectric material; [[ and ]]

an inductor section for adjusting the antenna operating frequency, which connects one end of the conductor pattern to the conducive film[[,]]; and

a feed point disposed on the substrate, which feeds a current to a connection point of the one end of the conductor pattern to the conductor film,[[;]]

wherein the feed point feeds a current to a connection point of the one end of the conductor pattern and the inductor section, and

wherein a longitudinal direction of the loading section is arranged to be parallel to an edge side of the conductor film,

a self resonance frequency of the loading section is higher than the antenna operating frequency, and

the other end of the line-shaped conductor pattern is formed as an open end.

Claim 2 (Original): The antenna device according to Claim 1, wherein a capacitor section is connected between the connection point and the feed section.

Claim 3 (Currently amended): The antenna device according to Claim 1, wherein the loading section includes a <u>lumped concentrated constant</u> element <u>circuit</u>.

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Claim 4 (Canceled).

Claim 5 (Currently amended): The antenna device according to Claim 1, wherein the

capacitor section includes a capacitor section which is constructed with a pair of planar electrodes

formed on the elementary body to face each other.

Claim 6 (Withdrawn): The antenna device according to Claim 5, wherein one of a

pair of the planar electrodes is disposed on a surface of the elementary body and can be trimmed.

Claim 7 (Previously presented): The antenna device according to Claim 1, wherein a

multiple-resonance capacitor section is equivalently serially connected between two different points

of the conductor pattern.

Claim 8 (Currently amended): The antenna device according to Claim 1, wherein the

conductor pattern is wound around the elementary body in a longitudinal direction thereof in a

helical shape.

Claim 9 (Withdrawn – currently amended): The antenna device according to Claim 1,

wherein the conductor pattern is formed on a surface of the elementary body in a meander shape.

Claim 10 (Withdrawn): An antenna device comprising:

a substrate;

a conductor film which is formed to extend in one direction on a surface of the substrate;

first and second loading sections which are disposed to be separated from the conductor film

on the substrate and constructed by forming a line-shaped conductor pattern on an elementary body

made of a dielectric material, a magnetic material, or a complex material having dielectric and

magnetic properties;

an inductor section which is connected between one end of the conductor pattern and the

conductor film; and

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a feed section which feeds a current to a connection point of the one end of the conductor

pattern and the inductor section,

wherein a first resonance frequency is set by the first loading section, the inductor section,

and the feed section, and a second resonance frequency is set by the second loading section, the

inductor section, and the feed section.

Claim 11 (Withdrawn): The antenna device according to Claim 10, wherein any one or

both of the first and second loading sections includes a concentrated constant element.

Claim 12 (Withdrawn): The antenna device according to claim 10, wherein a line-

shaped meander pattern is connected to a second end of the conductor pattern.

Claim 13 (Withdrawn): The antenna device according to Claim 10, wherein an

extension member is connected to the other end of the conductor pattern.

Claim 14 (Withdrawn): The antenna device according to Claim 12, wherein an

extension member is connected to a front end of the meander pattern.

Claim 15 (Withdrawn): The antenna device according to Claim 10, wherein an

impedance adjusting section is connected between the connection point and the feed section.

Claim 16 (Withdrawn): The antenna device according to Claim 10, wherein the

conductor pattern is wound around the elementary body in a longitudinal direction thereof in a

helical shape.

Claim 17 (Withdrawn): The antenna device according to Claim 10, wherein the

conductor pattern is formed on a surface of the elementary body in a meander shape.

Claim 18 (Withdrawn): A communication apparatus comprising:

a case; and

a communication control circuit which is disposed in an inner portion of the case; and

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an antenna device which is connected to the communication control circuit,

wherein the case includes a case body and an antenna receiving portion which is disposed to

extend from one side wall of the case body outward,

wherein the antenna device includes:

a substantially L-shaped substrate which has a first substrate portion extending in one

direction and a second substrate portion curved from the first substrate portion and extending

toward a lateral direction of the first substrate portion;

a ground connection portion which is disposed on the substrate and connected to a ground of

the communication control circuit;

a first loading section which is disposed on the first substrate portion and constructed by

forming a line-shaped conductor pattern on an elementary body made of a dielectric material, a

magnetic material, or a complex material having dielectric and magnetic properties;

a second loading section which is disposed on the second substrate portion and constructed

by forming a line-shaped conductor pattern on an elementary body made of a dielectric material, a

magnetic material, or a complex material having dielectric and magnetic properties;

an inductor section which connects ends of the first and second loading sections to the

ground connection portion; and

a feed section which is connected to the communication control circuit and feeds a current to

a connection point of the ends of the first and second loading section and the inductor section, and

wherein any one of the first substrate portion provided with the first loading section and the

second substrate portion provided with the second loading section are disposed in the antenna

receiving portion, and the other is disposed along an inner surface of the one side wall.

Claim 19 (Withdrawn): The communication apparatus according to Claim 18, wherein

the antenna device includes a concentrated constant element provided to any one or both of the first

and second loading sections.

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Claim 20 (Withdrawn): The communication apparatus according to Claim 18, wherein

the antenna device includes an impedance adjusting section which is connected between the

connection point and the feed section.

Claim 21 (Withdrawn): The communication apparatus according to Claim 18, wherein

the conductor pattern is wound around the elementary body in a longitudinal direction thereof in a

helical shape.

Claim 22 (Withdrawn): The communication apparatus according to Claim 18, wherein

the conductor pattern is formed on a surface of the elementary body in a meander shape.

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